Dwarf Galaxies: From the Deep Universe to the Present*Edited by Kristen B. W. McQuinn and Sabrina Stierwalt*

CAMBRIDGE UNIVERSITY PRESS: 2019. 520PP. £98.00

Dwarf galaxies (typically less than a billion solar masses) are currently at the forefront of several areas of astrophysical research, including cosmology, stellar feedback and the interstellar medium. This book presents proceedings of the recent International Astronomical Union symposium on dwarf galaxies. The meeting particularly emphasized the connections between observations and simulations, which have lately managed to routinely resolve dwarf galaxies, as well as between dwarfs in the local and the early Universe, the latter being revealed by our ever-improving observational capabilities.

Astrophysics of Planet Formation*By Philip J. Armitage*

CAMBRIDGE UNIVERSITY PRESS: 2020. 371PP. £59.99

Eleven years after the publication of its first edition, Armitage revisits this graduate-level textbook on the astrophysics of planet formation to update it based on the trove of knowledge produced by the Kepler space telescope and ALMA that revolutionized our concept of what planetary systems look like. The book covers the structure and evolution of protoplanetary disks and the formation of planetesimals within them, the formation of rocky and giant planets, as well as the evolution of protoplanetary systems. The astrophysics is put into context by an introductory chapter on what observations are currently telling us.

The World According to Physics*By Jim Al-Khalili*

PRINCETON UNIVERSITY PRESS: 2020. 320PP. £12.99

From the fabric of spacetime, to the laws governing the smallest of particles, to the description of large thermodynamical systems, Al-Khalili ventures to describe the world according to physics in ten chapters. It is perhaps a sign of our times that two chapters are spent discussing the usefulness of physics (beyond satisfying fundamental human curiosity) and what the scientific method is all about (in the context of a post-truth reality). This book is a refreshing, equations-free, occasionally philosophical take on what physics is all about that should appeal to physicists and the public alike.

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